I=rgb2gray(imread("flower.jpg"));

subplot(2, 4, 1);

imshow(I);

title("Gray Scale Image");

% Sobel Edge Detection

J=edge(I, "Sobel");

subplot(2, 4,2);

imshow(J);

title("Sobel");

% Prewitt Edge detection.

K=edge(I, 'Prewitt');

subplot(2, 4, 3);

imshow(K);

title("Prewitt");

% Robert Edge Detection

L=edge(I, "Roberts");

subplot(2, 4, 4);

imshow(L);

title("Robert")

% Log Edge Detection

M=edge(I, "log");

subplot(2, 4, 5);

imshow(M);

title("Log");

% Zerocross Edge Detection

M=edge(I,'zerocross');

subplot(2, 4, 6);

imshow(M)

title("Zerocross");

% Canny Edge Detection

N=edge(I, "Canny");

subplot(2, 4, 7);

imshow(N);

title("Canny");

